Release A CDR RID Report

Date Last Modified 11/15/95

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Document Planning Workbench DDR

Section **Page** **Figure Table** JM-22

RID ID CDR 99
Review DDDR
Originator Ref
Priority 2

Category Name Planning (PLS) Design **Actionee** ECS

Sub Category

Subject Reporting on resources used daily, weekly, monthly processing by instrument

Description of Problem or Suggestion:

For PGEs which were completed, report on what resources were required, and how this compares with the resources estimated in the PGE profiles. Also support long-term trend analysis on a per-PGE basis.

Originator's Recommendation

Planning should produce reports for the DAAC and instrument teams which summarize the resources consumed to produce each product. Roll-ups on a weekly and monthly basis would also be helpful.
Need to be able to report/display PGE profile content.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Jacob Eisenstein **HAIS Schedule** 10/25/95

HAIS R. E. Mark Shannon **HAIS Response Date** 11/1/95

This RID suggests that for PGEs which were completed, a capability to report on what resources were required, and how this compares with the resources estimated in the PGE profiles should be provided by Planning. It further suggests that long-term trend analysis on a per-PGE basis should be supported; and that the capability to report/display PGE profile content is required.

The generation of reports to show the use of resources by PGEs is supported by both the Planning and Data Processing Subsystem designs. Section 4.7.4 of the Planning Subystem Detailed Design Specification (DID 305) and sections 4.7.3 and 7.8.3 of the Data Processing Subsystem Detailed Design Specification contain descriptions of the types of reports which can be produced using information stored in the PDPS Database. One of these reports will provide resource utilization by a given PGE or set of PGEs.
Information documenting the consumption of resources by a PGE during execution are captured and stored in the Production History File which is created and archived for each execution of a PGE.

The data required for trend analysis is available as part of the Production History data; reports generated by PDPS can be used by DAACs to perform trend analysis for a PGE.

The PGE Profile which is established during Algorithm Integration & Test contains the current estimates that were generated for a PGE . This information is viewable to DAAC personnel through the use of the PGE Profile Editor application (Data Processing Subsystem AITTL CSCI).

Status **Closed** **Date Closed** **11/15/95** **Sponsor** **Kempler**

****** **Attachment if any** ******